

## SEQUENCE LISTING

### (1) GENERAL INFORMATION:

- (i) APPLICANT: MARASCO, WAYNE A  
CHEN, SI-YI
- (ii) TITLE OF INVENTION: NUCLEIC ACID DELIVERY SYSTEM, METHOD OF  
SYNTHESIS AND USES THEREOF
- (iii) NUMBER OF SEQUENCES: 9
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS &  
CUSHMAN
  - (B) STREET: 130 WATER STREET
  - (C) CITY: BOSTON
  - (D) STATE: MASSACHUSETTS
  - (E) COUNTRY: US
  - (F) ZIP: 02109
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Floppy disk
  - (B) COMPUTER: IBM PC compatible
  - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
  - (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
- (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 08/199,070
  - (B) FILING DATE: 02-FEB-1994
  - (C) CLASSIFICATION:
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: CONLIN, DAVID G
  - (B) REGISTRATION NUMBER: 27026
  - (C) REFERENCE/DOCKET NUMBER: 43471
- (ix) TELECOMMUNICATION INFORMATION:
  - (A) TELEPHONE: (617) 523-3400
  - (B) TELEFAX: (617) 523-6440
  - (C) TELEX: 200291 STRE UR

### (2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 8 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: unknown
  - (D) TOPOLOGY: unknown

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Lys Lys Lys Tyr Tyr Lys Leu Lys  
1 5

### (2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 36 base pairs
  - (B) TYPE: nucleic acid

(C) STRANDEDNESS: unknown  
(D) TOPOLOGY: unknown

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

TTTGAATTCA AGCTTACCAT GGAACATCTG TGGTTC

36

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 33 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: unknown  
(D) TOPOLOGY: unknown

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

GGTACCGAAT TCTCTAGAAC AAGATTGGG CTC

33

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 36 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: unknown  
(D) TOPOLOGY: unknown

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

GGTACCGAAT TCTCTAGAAAT GGCCAGGTAC AGATGC

36

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 48 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: unknown  
(D) TOPOLOGY: unknown

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

TTTAGGATCC TTAACAACAC CTCATGGCTC TCCTCCGTGT CTGGCAGC

48

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 78 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: unknown  
(D) TOPOLOGY: unknown

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

TTAATTGCGG CCGCTTAGTG TCTTCTACAT CTCGGTCTGT ACCTGGGGCT GACACCTCAT

60

GGCTCTCCTC CGTGTCTG

78

(2) INFORMATION FOR SEQ ID NO:7:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 33 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: unknown
  - (D) TOPOLOGY: unknown

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

TTTAAGCTTA TGGGCGACGT CAGCTTCAGC ACC

33

(2) INFORMATION FOR SEQ ID NO:8:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 27 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: unknown
  - (D) TOPOLOGY: unknown

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

TTTTCTAGAT TACTTCAGGT CCTCCGG

27

(2) INFORMATION FOR SEQ ID NO:9:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 30 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: unknown
  - (D) TOPOLOGY: unknown

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

TTTAAGCTTA TGGCCGACGT GGTGAGCCTG

30